

SEQUENCE LISTING

<110> Sloning Biotechnology GmbH
<120> Method for the manufacture of nucleic acid molecules
<130> S 10010 PCT
<140> EP 02023385.4
<141> 2002-10-18
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<170> PatentIn version 3.1
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taccggccaa gagggcgttt cgccttttcg gcg 33

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<223> 5'-end and 3'-end are ligated

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gcgcgtctcg taccggccgaa gaggcgaaaa cgcctttcg gcggtacgag acgcgtttt 60

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cgccgaagag gcgttttcgc ctcttcg 27

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<220>
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<223> biotinylated nucleotide

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33

<210> 33

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25

<210> 34

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<212> DNA

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<223> 1. anchor nucleotide in Fig. 2A and Fig. 4A

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<221> misc_feature

<222> (21)..(21)

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41

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<223> sequence appears in Fig. 2B, Fig. 2C, Fig. 2D and Fig. 4B

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gctttt 66

<210> 36
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cggacgagac gcgctttgc gcgtctcg cgt 33

<210> 37
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catacggata cgcgtttcg cgtatccgta tga 33

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<220>
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41

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acggcttacg acgcgtcgcg tacgagacgc gctttt 96

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atcgaactag cgttaggccgg accgagacgc gctttt 96

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cgtaagccg 69

<210> 42
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gcgttaggcc ggacccgagac ggcgtttgc gcgatcggt ccggcctacg 60
ctagatcga 69

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27

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tgccgagacc gcgtttgc ggtctcg

27

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acggcttacg acgcgtcgcg tacgagacgc gctttt                          96

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text "Elongation block #2")

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<220>
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gcgcgtctcg gtccggccta cgcttagatcg atgccgagac cgcgaaaaatcg cggtctcggc      60
atcgaactag cgtaggccgg accgagacgc gctttt                          96

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<223> sequence appears in Fig. 5G (left of text "Eco31I cut Elongation
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block"), Fig. 5I (above text "Cut elongation block 1"), Fig. 7B and Fig. 7C (in each case left of text "Cut elongation block #1")

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cgtaagcc 68

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cgtaggcc 68

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cgcgttttcg cggctctcgcc atcgaactag cgtaggccgg acggcttacg acgcgtcgcg 120
tacgagacgc gctttt 136

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ccgtatgaga cggcttatcg acgcgtcgcg tacgagacgc gctttt 106

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<220>
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<223> 5'-end and 3'-end are ligated

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ccgtatggca tcgaactcag cgtaggccgg accgagacgc gctttt 106

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<223> sequence appears in Fig. 6B (left of text "Cut elongation product #1 with 3 nucleotide overhang at 5' end") and Fig. 6C (left sequence left of text "Transition #1")

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cgataagccg tct 73

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<223> sequence appears in Fig. 6C (left sequence left of text "Transition #1")

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<221> misc_feature
<222> (13)..(13)
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cgagaccgcg ttttcgcggc 25
ctcga

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ctgagatcga tgc 73

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<220>
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<223> sequence appears in Fig. 6C (right sequence left of text "Transition #2")

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gacggcttat cgacgcgtcg cgtacgagac gcgctttt 98

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<222> (48)..(48)
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catcgaactc agcgtaggcc ggaccgagac gcgctttt 98

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<223> biotinylated nucleotide

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cgccgtctcg ggacggctta cgacgcgtcg cgtacgagac ccgcctttgc gggtctggta 60
cgcgacgcgt cgtaagccgt cccgagccgg cgtttt 96

<210> 59
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<220>
<221> misc_feature
<222> (1)..(4)
<223> single-stranded overhang, not complemented by complementary strand

<220>
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<222> (5)..(20)
<223> double-stranded nucleic acid, complemented by SEQ ID No. 48. The complementary strand continues in its 5'-direction with an overhang of 4 nucleotides (GCAT)

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<210> 60
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<212> DNA
<213> Artificial Sequence

<220>
<223> nucleic acid for the manufacture of nucleic acid molecules

<220>
<221> misc_feature
<222> (1)..(4)
<223> single-stranded overhang, not complemented by complementary strand

<220>
<221> misc_feature
<222> (1)..(4)
<223> double-stranded nucleic acid, complemented by SEQ ID No. 47. The complementary strand continues in its 5'-direction with an overhang of 4 nucleotides (CAGG)

<400> 60
tacgcgacgc gtcgttaagcc 20

<210> 61

<211> 108
<212> DNA
<213> Artificial Sequence

<220>
<223> nucleic acid for the manufacture of nucleic acid molecules

<220>
<221> misc_feature
<223> sequence appears in Fig. 7D (right of text "Complementary overhang for subsequent transposition step")

<220>
<221> misc_feature
<222> (57)..(57)
<223> biotinylated nucleotide

<220>
<221> misc_feature
<223> 5'-end and 3'-end are ligated

<400> 61
tacgcgacgc gtcgtaagcc gtccggccta cgctagatcg atgccgagac cgcgtttcg 60
cggtctcggc atcgaactag cgtaggccgg acggcttacg acgcgtcg 108